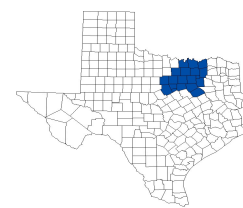


# Texas Cardiovascular Health & Wellness Program

## Texas Department of State Health Services



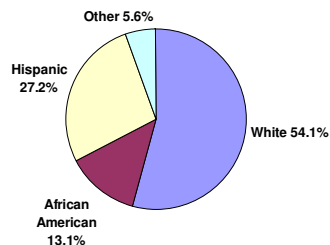
### ST Elevation Myocardial Infarction (STEMI) Facts

#### Texas Trauma Service Area (TSA) E

Updated March 2010

<http://www.dshs.state.tx.us/wellness/data.shtm>

#### Demography of TSA E in 2008 (Estimated Texas Population)



Age	Total	Male	Female	Percent
0-17	1,747,597	890,567	857,030	26.3
18-29	1,127,282	582,519	544,763	17.0
30-34	1,662,491	854,853	807,638	25.0
35-64	1,567,085	779,551	787,534	23.6
65+	540,308	235,772	304,536	8.1
<b>Total</b>	<b>6,644,763</b>	<b>3,343,262</b>	<b>3,301,501</b>	<b>100.0</b>

#### Prevalence<sup>1</sup> (%) of Heart Attack, Adults (18+ years), 2005 - 2008

#### Heart Attack Age-Adjusted Mortality Rates<sup>2</sup> (per 100,000) 2001- 2006

	TSA E	Texas	TSA E	Texas	TSA E Ages <65	TSA E Ages 65+
<b>Total</b>	3.9	4.5	60.6	69.9	9.5	394.7
<b>Male</b>	4.7	3.6	72.8	86.2	12.9	433.9
<b>Female</b>	3.2	5.0	51.1	56.8	6.0	366.6
<b>White</b>	4.7	3.8	61.6	69.2	11.9	408.9
<b>African American</b>	2.7	2.4	67.9	87.0	11.2	399.0
<b>Hispanic</b>	2.0	3.9	37.8	64.9	2.7	216.8

#### Hospital Discharge Data<sup>3</sup> for STEMI, Texas, 2008

	Total		Age <65		Age 65+	
	TSA E	Texas	TSA E	Texas	TSA E	Texas
<b>Number of Discharges</b>	2,824	11,630	1,789	6,932	1,035	4,707
<b>Total Charges</b>	\$210,358,871	\$926,981,129	\$132,156,405	\$544,602,262	\$78,202,466	\$382,378,867

#### Texas EMS/Trauma Registry Data<sup>4</sup> for TSA E by Time (Min), 2007

	TSA E	Texas
<b>Response Time = (Time Call Received - Time EMS Arrived on Scene)</b>	7.2	8.3
<b>Scene Time = (Time EMS Arrived on Scene - Time EMS Departed Scene)</b>	18.2	18.5
<b>Transport Time = (Time EMS Departed Scene - Time EMS Arrived at Destination)</b>	15.6	14.5
<b>Delivery Time = (Time Call Received - Time EMS Arrived at Destination)</b>	36.8	39.7

<sup>1</sup> 2005, 2006, 2007, and 2008 Texas Behavioral Risk Factor Surveillance System, Statewide BRFSS Survey, for Respondents 18 years and older who report that they have been diagnosed as having had a Heart Attack, Myocardial Infarction.

<sup>2</sup> 2001-2006 Texas Department of State Health Services Vital Statistics. Mortality due to Heart Attack (ICD-10 Code I21-I22); Age adjusted to the US 2000 census population

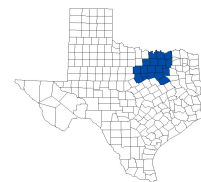
<sup>3</sup> 2008 Texas Health Care Information Council, Inpatient Hospital Discharge Public Use File, for persons all ages. STEMI (ICD-9 Code; 410.0 through 410.6 and 410.8.);

<sup>4</sup> Texas EMS/Trauma Registry Data Selected in 2007. The selection criteria are:

- Calls received during 2007
- Suspected Illness types defined as cardiac arrest, cardiac rhythm disturbance, and chest pain/discomfort
- Medical-related calls only (i.e. calls exclusively related to trauma were excluded)
- 911 calls only (no inter-facility transfers)
- Texas residents only

\* Unable to calculate due to small sample size (< 50 respondents).

**Texas Cardiovascular Health & Wellness Program**  
**Texas Department of State Health Services**



**Heart Attack Facts**  
**Texas Trauma Service Area (TSA) E**

**Heart Attack Risk Factors<sup>1</sup>, Texas, 2005, 2006, 2007, 2008**

<b>Diabetes</b>	<b>TSA E</b>	<b>Texas</b>	<b>High Blood Cholesterol (2005 &amp; 2007)</b>	<b>TSA E</b>	<b>Texas</b>
Total	8.1	9.0	Total	36.9	36.4
Male	8.5	8.8	Male	38.8	37.0
Female	7.7	9.2	Female	35.1	35.8
White	7.6	8.0	White	39.2	38.2
African American	11.9	12.4	African American	26.4	32.1
Hispanic	7.0	10.0	Hispanic	34.6	33.4
<b>Current Smoker</b>	<b>TSA E</b>	<b>Texas</b>	<b>High Blood Pressure (2005 &amp; 2007)</b>	<b>TSA E</b>	<b>Texas</b>
Total	17.6	18.9	Total	25.1	26.1
Male	18.4	22.0	Male	26.2	25.9
Female	16.9	16.0	Female	24.2	26.3
White	18.0	19.7	White	26.8	28.5
African American	26.3	22.6	African American	35.4	38.5
Hispanic	12.8	16.7	Hispanic	17.8	19.2
<b>Obesity<sup>2</sup> (BMI≥30)</b>	<b>TSA E</b>	<b>Texas</b>	<b>No Leisure Time Physical Activity<sup>3</sup></b>	<b>TSA E</b>	<b>Texas</b>
Total	25.6	27.7	Total	25.0	28.2
Male	26.2	28.1	Male	23.1	25.4
Female	25.0	27.3	Female	27.0	30.8
White	23.8	24.7	White	21.3	23.6
African American	37.3	38.1	African American	32.2	32.8
Hispanic	29.1	31.8	Hispanic	33.7	35.5

**Recognition of Heart Attack Symptoms<sup>1</sup> (2005)**

<b>Heart Attack Symptoms</b>	<b>% Of Respondents Recognizing Symptoms</b>	
	<b>TSA E</b>	<b>Texas</b>
Pain or discomfort in jaw, neck or back	38.5	39.3
Feeling weak, lightheaded, or faint	52.6	54.1
Chest pain or discomfort	86.9	86.5
Pain or discomfort in the arms or shoulders	77.2	78.4
Shortness of breath	80.3	79.0
<i>Recognizes all heart attack symptoms</i>	7.9	8.9
Would call 911 as a first response if <b>Heart Attack OR Stroke</b> is suspected	85.5	85.1

<sup>1</sup> 2005, 2006, 2007 and 2008 Texas Behavioral Risk Factor Surveillance System, Statewide BRFSS Survey, for Respondents 18 years and older who report that they have been diagnosed with high Blood Pressure, but not during pregnancy; Respondents 18 years and older who report that they have been diagnosed with high Blood Cholesterol; Respondents 18 years and older who report that they have been diagnosed with Diabetes. Does not include gestational diabetes

<sup>2</sup> Obese > 95th Percentile for BMI by Age/Sex <http://apps.nccd.cdc.gov/yrbss/QuestYearTable.asp?ByVar=CI&cat=6&quest=Q80&loc=XX&year=2007>

<sup>3</sup> Recommendation: Physical Activity -Percentage of students who were physically active doing any kind of physical activity that increased their heart rate and made them breathe hard some of the time for a total of at least 60 minutes per day on five or more of the 7 days before the survey  
<http://apps.nccd.cdc.gov/yrbss/QuestYearTable.asp?ByVar=CI&cat=6&quest=Q80&loc=XX&year=2007>

The "" indicates that the sample size was not a statistically valid sample size (< 50 respondents).